

Koebler Kraft



ENVIRONMENTAL STEWARDSHIP AT KOEHLER KRAFT BOATYARD & MARINA

August 13, 2007

WHY AM I HERE TODAY?

- I am a boater
- Concerned about a clean environment
- Keep boating affordable for Californians
- No financial stake
- Copper paint & TMDLs



KOEHLER KRAFT COMPANY

- Boatyard & marina since 1938
- Building & servicing boats for almost 70 years





KOEHLER KRAFT'S NEW FACILITY

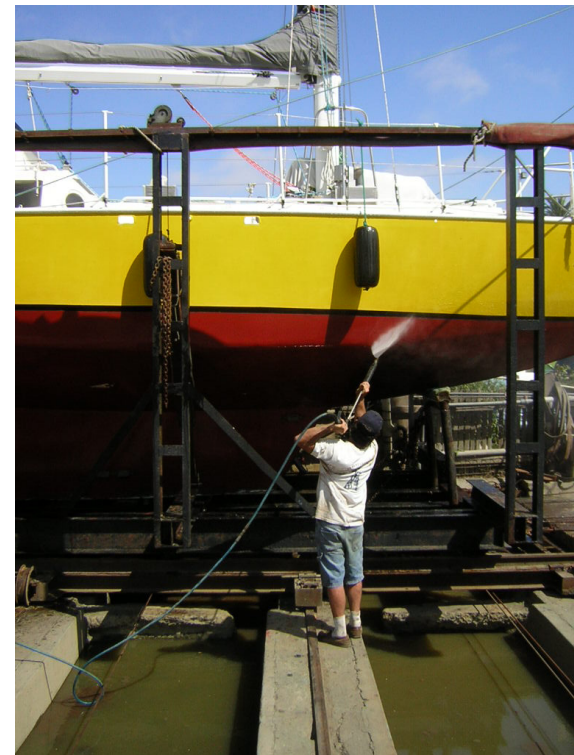
- \$2 Million renovation
- Most environmentally friendly yard in San Diego
- Enclosed 11,000 square foot facility
- Capture contaminants
- Oneida Air Filtration System, purchased 2006

KOEHLER KRAFT'S NEW FACILITY



ENVIRONMENTAL PRACTICES IN THE YARD

- Required to capture runoff from power washing boats



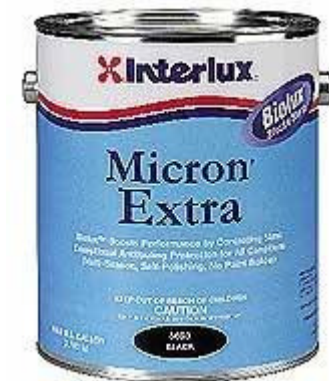
ENVIRONMENTAL PRACTICES IN THE MARINA

- Koehler Kraft started environmental practices before renovation
- 2002: banned underwater hull cleaning to meet EPA standards



ENVIRONMENTAL PRACTICES IN THE YARD

- Recommend clients not use underwater hull cleaning
- Teamed with Interlux for 12-month customer satisfaction guarantee
- In 5 years, never had a complaint






FROM THE PAINT MANUFACTURER

- Interlux, the leading bottom paint manufacturer, recommends:

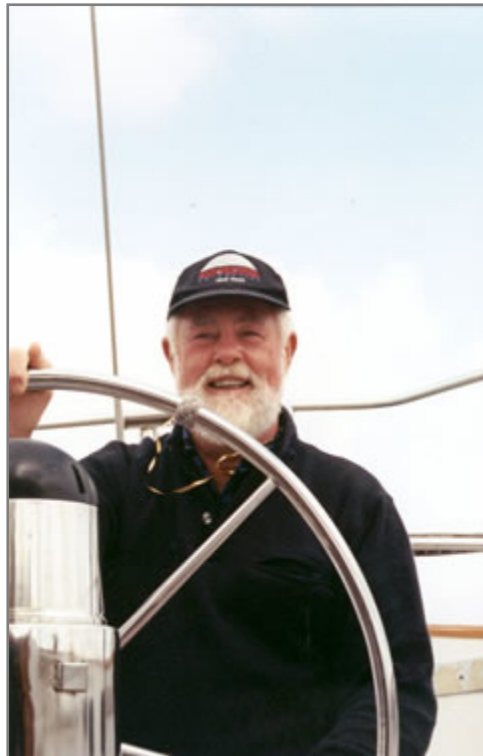
“Polishing antifoulings do not need underwater hull cleaning. They must not be scrubbed as the paint can be easily removed and damaged by cleaning.”



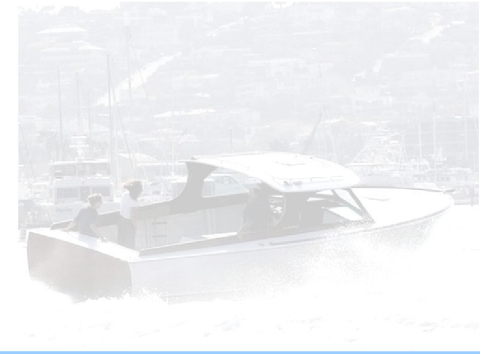
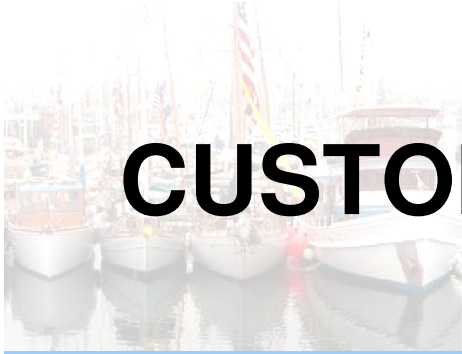


CUSTOMERS' RESPONSES

- Skeptical at first
- 700+ clients have been extremely satisfied



CUSTOMERS' RESPONSES



- 47ft custom cutter 1971
- TUSITALA
- No diver between haul outs

- Hauled out in
 - September 2005
 - November 2006

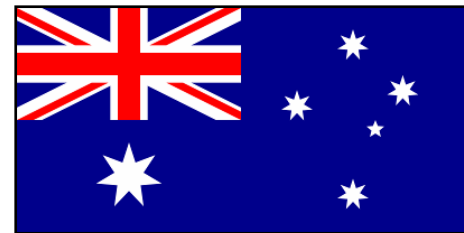
ENVIRONMENTAL PRACTICES IN THE MARINA

- On my personal boats:
 - Stopped underwater hull cleaning 29 years ago
 - 50-foot motorsailer: two years since painted
 - No growth on the bottom



ENVIRONMENTAL PRACTICES AROUND THE WORLD

- Australia, Washington State, Europe
 - Effectively banned underwater hull cleaning
 - Must capture and remove debris, biomass or paint particles





COPPER BOTTOM PAINT FACTS

- Copper bottom paint is the only effective and affordable way to:
 - control growth and maintain performance
 - control spread of invasive species



COPPER BOTTOM PAINT FACTS

- Banning copper bottom paint will
 - raise the price of boating
 - force many boaters off the water



COPPER BOTTOM PAINT FACTS

- 50-foot boat:
 - Remove copper paint and replace = \$8,500
 - Twice monthly cleaning = \$1200 - \$1800/year





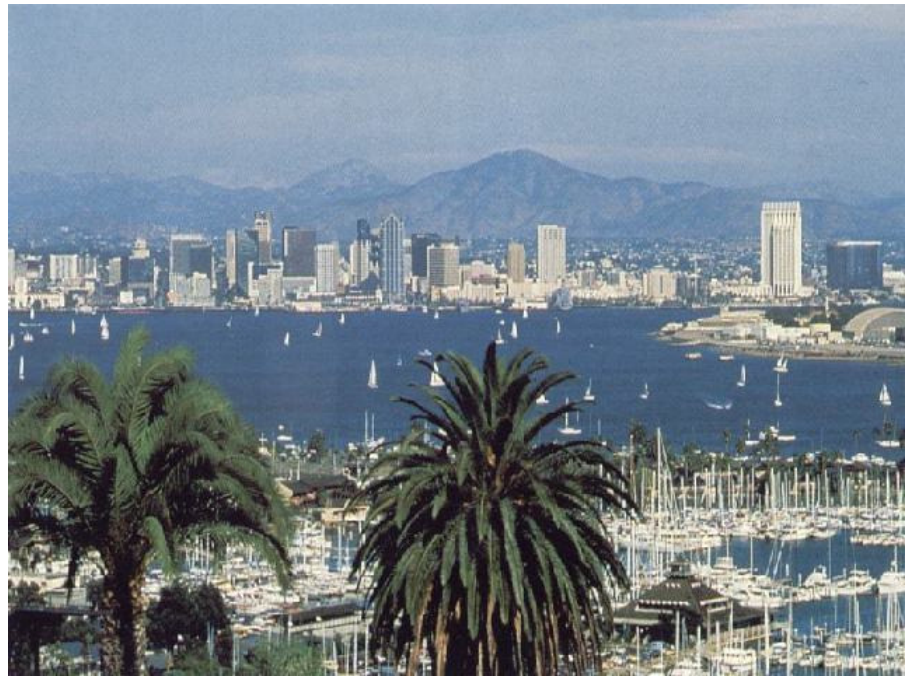
RECOMMENDATIONS

- To achieve Total Maximum Daily Load
 - Banning copper paint is not the answer
 - Must consider cost to boaters, invasive species, no alternatives



RECOMMENDATIONS

- Underwater hull cleaning must change
- If it comes off the boat it has to come out of the water





A KOEHLER KRAFT CUSTOMER

- Scott Demere of OCEAN QUEEN V
- Questions?